



Carsten Rædkær Nielsen

Contact:

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Address:

Vesteralle 11,
9760 Vraa,
Denmark

Other:

- Age 60
- Single

Skills:

- Mechatronics
- Medico products
- Mech project management
- Plastic part design
- Injection mould design
- Sheet metal design
- CATIA (Part, assy, surfacing, sheet metal modeling and drawings)

Personality:

- Sociable and humorous
- Uncomplicated and open minded
- Logical and systematic
- Flexible and business minded
- "KEEP IT SIMPLE"

Professional summary:

Experienced mechanical developer with more than 35 years of working with especially injected mould parts in Tool design, part design, mobilephones, a variety of other enclosures. Lots of experience of running mechanical projects, also together with Asian vendors. Lot of travel and cooperation experience in Asia, especially China, but also Japan, South Korea, India, Singapore, Malaysia and Indonesia.

Work history:

2014-

Co-founder
capida.dk

Starting web shop selling accessories for mobile phones and tablets, gadgets etc.

2005-

Managing Director/CEO
mechalution

Running consultant company mechalution, developing solution for plastic part design, sheet metal design and mechanics for consumer electronics, medical devices and mechatronics. Working as mechanic lead/manager on development projects, doing all detail design from ID to production, and since 2005 using CATIA for surfacing, part modeling, sheet metal, core/cavity build of plastic parts, advanced injection mould design and drawings. Also working in projects where SolidWork and Inventor is used.

Mechalution is also purchasing parts and injection moulds for the products created, and also customer specified parts in China. Lots of China travels (Shenzhen -Dongguan area) to both tooling start and production, securing tools to deliver requested quality and performance.

Most project recently is under 60601 directives, working with specifications and documentation corresponding to this and 13485.

Worked and/or sourced parts for following customers:

RTX Tunstall, Mermaid Care, Asetek, GN, Medodan, Frontrow, Thrane, Elcold, Grundfos, Vestas, IPES, Scanbelt, Schnoor Plast, Xtel, Infinion, Meyland Smith, API Marine, Safevent, Deif, Harman Automotive, CE Toolbox...

2001- 2005

Mechanical Designer
Maxon Telecom/FL Telecom

Working with build-up of phone from the first Design drafts, translating design into a realistic mechanical design. Making mechanical design of metal and plastic parts, for mobile phones and accessories using SDRC IDEAS 3D. Working close together with PCB, RF and BB departments in-house. Creating mech project plans. Participate startup of tools in Korea, and co-operation with Korean colleagues. Assists with production start in Seoul, Korea. Implementing a number of procedure improvements in mech department. Participated on 5 folder phones and 2 bar type phones. Also making "photo realistic" pictures of the phones in IDEAS and Paint Shop Pro.

Other qualifications: MSOffice, MS project, Autocad

1999-2001

Senior Mechanical Designer

Ericsson

Mechanical coordinator in DK for a UMTS phone project, working together with mechanical colleagues in Lund and Tokyo, creating the complete list of mechanical components, using UG. Working on concept studies and feasibility studies according to Ericsson project model. Coordinating design and mechanical work on studies to Anoto, Sweden (intelligent pencil), creating mech project plans.

1998-1999

Consultant

Dansk Teknologisk Institut

Working as an "one man company" in a product development department. Writing quotations on different plastic and metal part projects, realizing the projects together with the customers using SDRC IDEAS, 3D modeling and drafting, producing SLA and making working prototypes in workshop.

1998

Application Engineer

Summit Systems, SDRC DK

Educating new IDEAS users, IDEAS consultancies at different companies, assists on new Ideas installations, some plastic part design for customers.

1997

3D modeler

Dansk Teknologisk Institut

Design of plastic parts, 3D model work, repair of IGES files for use to SLA, all in IDEAS, customer contact.

1995-1997

Mechanical Designer

Maxon Cellular Systems

Mechanical design of metal and plastic parts, for mobile phones and accessories using IDEAS 3D. Startup of tools in Korea, and co-operation with Korean and English mech. dep. Working on concept studies for new phones.

1994-1995

Mechanical Designer

Scanbelt

Part and mould design for conveyer belts. Creating prototypes in the workshop.

1982-1994

Sales Engineer, Injection moulds/hotrunners, Audan

Tool Designer, Injection moulds, Bjarne Nielsen Værktøjsfabrik

Mechanical Designer, Jamo

Tool Designer, Injection moulds, Grundfos

Education, Tool Designer, Aalborg/Skive Tekniske Skole

Toolmaker, Ginge Raadvad